

I CLAIM:

1. A universal compressor assembly comprising:
 - a shell including two ends,
 - a cylinder disposed in said shell,
- 5 a shaft rotatably and slidably received in said cylinder and including a cam member disposed thereon,
 - at least three pistons slidably received in said cylinder and engageable with said cam member, to alternatively actuate said shaft to move axially relative to said cylinder,
- 10 two valve plates disposed on ends of said cylinder to control fluid flowing passage,
 - a first cover and a first cap selectively secured to said ends of said shell, to enclose and retain said cylinder and said shaft and said pistons and said valve plates within said shell, and for attaching to one vehicle, and
- 15 at least one second cover and at least one second cap for selectively securing to said ends of said shell, to enclose and retain said cylinder and said shaft and said pistons and said valve plates within said shell, and for attaching to the other vehicles when said first cover and said first cap are disengaged from said ends of said shell.
- 20 2. The universal compressor assembly as claimed in claim 1 further comprising at least one third cover and at least one third cap selectively secured to said ends of said shell, to enclose and retain said cylinder and said shaft and said pistons and said valve plates within said shell, and to attach to the other vehicles when said first cover and said first cap are disengaged from said ends of said shell.